

Abstract of the Disclosure

SYSTEM AND METHOD

FOR

INVISIBLE EMBEDDED DATA

USING

YELLOW GLYPHS

The present invention provides a system and method for encoding digital data in a hardcopy rendering of an invisible image of circularly asymmetric dot patterns. The dot patterns are slash-like markings or glyphs tilted to the right and left with respect to the longitudinal axis of the recording medium. The glyphs are written onto a spatially periodic, two dimensional array of cell blocks to encode information without modulating the average reflectances of the cell blocks. In operation the dot patterns are written onto the recording medium in yellow at approximately a 2% pixel density to produce an image that is invisible to the naked eye, but capable of being reliably decoded by conventional machinery.

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